

#### 4. FISHERY DATA UPDATE

In this section of the SAFE report, HMS fishery data are analyzed by gear type (pelagic longline, purse seine, commercial handgear, and recreational handgear), with the exception of some data on Atlantic sharks. HMS fishermen generally target particular species. However, the non-selective nature of most fishing gears promotes more effective analysis and management on a gear-by-gear rather than species-by-species basis. International catches of HMS are also provided (Table 4.1) for comparison to U.S. catches. The data in this section are preliminary and subject to revision.

For more detailed information regarding historical and current management for each gear type and other issues associated with each gear type, please see the 2003 SAFE report for Atlantic HMS.

**Table 4.1 Calendar Year 2002 U.S. vs International Catch of HMS (mt ww) other than sharks (SCRS 2003, NOAA Fisheries, 2003).**

Species	Total International Reported Catch	Region of U.S. Involvement	Total Regional Catch	U.S. Catch	U.S. Percentage of Regional Catch	U.S. Percentage of Total Atlantic Catch
Atlantic Swordfish	33,772* (includes N. & S. Atlantic and Mediterranean)	North Atlantic	9,607*	2655	27.63%	8.02%
		South Atlantic	13,569*	54	0.40%	
Atlantic Bluefin Tuna	33,558**	West Atlantic	3,215	1,875 (38 mt discards)	58.30%	5.58%
Atlantic Bigeye Tuna	73,085	Total Atlantic	73,085	576	0.79%	0.79%
Atlantic Yellowfin Tuna	137,350	West Atlantic	29,971	5,845	19.50%	4.25%
Atlantic Albacore Tuna	64,109 (includes N. & S. Atlantic and Mediterranean)	North Atlantic	22,465	497	2.20%	0.78%
		South Atlantic	31,582	1	0.003%	
Atlantic Skipjack Tuna	114,432	West Atlantic	21,374	90	0.42%	0.08%
Atlantic Blue Marlin	2,324	North Atlantic	480	55	11.40%	2.35%

Atlantic White Marlin	794	North Atlantic	243	35	14.52%	4.44%
Atlantic Sailfish	2,249	West Atlantic	1464	110	7.51%	4.89%

\* Actual catches are likely higher given significant non-compliance with ICCAT reporting requirements.

\*\* Significant non-compliance with ICCAT reporting requirements affects SCRS from estimating aggregate 2002 eastern Atlantic bluefin tuna catches accurately.

#### 4.1 Fishery Data: PELAGIC LONGLINE

**Table 4.1.1 Estimated U.S. Pelagic Longline HMS Catches: Calendar Years 1998-2002 (mt ww)\*(NOAA Fisheries, 2003).**

	1998	1999	2000	2001	2002
Swordfish <i>landings</i>	3159	3048	2969	2526	2401
Swordfish <i>dead discards</i> **	433	494	490	293	240
Yellowfin Tuna	2448	3375	2901	2200	2542
Bigeye Tuna	695	929	532	702	511
Bluefin Tuna <i>landings</i>	49	74	66	38	50
Bluefin Tuna <i>dead discards</i> ***	64 - 102	30 - 151	67 - 173	25 - 86	38
Albacore Tuna	180	195	147	194	147
Skipjack Tuna	1	2	2	4	2
Blue Marlin****	52	82	60	22	37
White Marlin****	32	57	41	17	29
Sailfish****	27	72	45	11	7
<b>Total</b>	<b>7,139.9 - 7,177.9</b>	<b>8,356.0 - 8,477.0</b>	<b>7,319.7 - 7,425.7</b>	<b>6,012.0 - 6,073.0</b>	<b>6004</b>

\* Atlantic sharks are caught on pelagic longlines; however, the methods for reporting data on Atlantic sharks do not allow for their inclusion in this table. The table also does not include other species caught by this gear, e.g., dolphin, wahoo, etc.

\*\* Post-release mortality of swordfish released alive is not estimated by NOAA Fisheries at this time. Source: SCRS 2003 (N. Atlantic area only).

\*\*\* Estimates of bluefin tuna discards vary depending upon the method used to calculate discards; the methodology was changed for 2003.

\*\*\*\* Indicates longline dead discards of these species.

**Table 4.1.2 Estimated International Longline Landings of HMS, other than Sharks, for All Countries in the Atlantic: 1998-2002 (mt ww)\* ( SCRS, 2003).**

	1998	1999	2000	2001	2002
Swordfish (N.Atl + S. Atl)	24,432	25,362	24,934	21,420	21,770

Yellowfin Tuna (W. Atl)**	8,795	11,596	11,465	12,535	12,141
Bigeye Tuna	71,825	76,513	70,902	54,842	43,773
Bluefin Tuna (W. Atl.)**	764	914	859	610	727
Albacore Tuna (N. Atl + S. Atl)	23,574	27,209	28,881	28,959	27,491
Skipjack Tuna (N. Atl + S. Atl)	99	51	60	70	88
Blue Marlin (N. Atl. + S. Atl.)***	2,467	2,378	2,108	1,499	1,198
White Marlin (N. Atl. + S. Atl.)***	885	923	854	557	672
Sailfish (W. Atl.)***	1,229	719	934	531	1,043
<b>Total</b>	<b>134,070</b>	<b>148,197</b>	<b>140,310</b>	<b>121,218</b>	<b>108,903</b>
U.S. Longline Landings (from U.S. Natl. Report, 2000) <sup>#</sup>	<b>7,140</b>	<b>8,356</b>	<b>7,320</b>	<b>6,012</b>	<b>6,004</b>
U.S. Longline Landings as a Percent of Total Longline Landings	<b>5.3</b>	<b>5.6</b>	<b>5.2</b>	<b>5.0</b>	<b>5.5%</b>

\* Landings include those classified by the SCRS as longline landings for all areas.

\*\* Note that the U.S. has not reported participation in the E. Atl yellowfin tuna fishery since 1983 and has not participated in the E. Atl bluefin tuna fishery since 1982.

\*\*\*Includes U.S. dead discards.

<sup>#</sup> Includes swordfish longline discards and bluefin tuna discards.

## 4.2 Fishery Data: PURSE SEINE

**Table 4.2.1 Domestic Atlantic Tuna Landings for the Purse Seine Fishery: 1998-2002 (mt ww), NW Atlantic Fishing Area (NOAA Fisheries, 2003).**

Species	1998	1999	2000	2001	2002
Bluefin Tuna	248.6	247.9	275.2	195.9	207.7
Yellowfin Tuna	0	0	0	0	0
Skipjack Tuna	0	0	0	0	0

**Table 4.2.2 Estimated International Purse Seine Atlantic Tuna Landings in the Atlantic and Mediterranean: 1998-2002 (mt ww) (SCRS, 2003).**

Species	1998	1999	2000	2001	2002
<b>Bluefin Tuna</b>	21,857	15,884	17,616	8,122	16,038
<b>Yellowfin Tuna</b>	92,816	83,379	79,749	103,326	95,435

Species	1998	1999	2000	2001	2002
Skipjack Tuna	77,594	95,367	80,768	77,995	70,750
Bigeye Tuna	16,370	20,931	17,917	22,060	16,192
<b>Total</b>	<b>208,637</b>	<b>215,561</b>	<b>196,050</b>	<b>220,901</b>	<b>198,415</b>
U.S. Total	249	248	275	196	207
U.S. Percentage	0.12%	0.12%	0.14%	0.09%	0.10%

### 4.3 Fishery Data: COMMERCIAL HANDGEAR

**Table 4.3.1 Domestic Landings for the Commercial Handgear Fishery, by Species and Gear, for 1998-2002 (mt ww) (NOAA Fisheries, 2003).**

Species	Gear	1998	1999	2000	2001	2002
Bluefin Tuna	Rod and Reel	603.4	643.6	579.3	889.7	878.8
	Handline	29.2	15.5	3.2	9.0	4.5
	Harpoon	133.4	115.8	184.2	101.9	55.5
	<b>TOTAL</b>	<b>766.0</b>	<b>774.9</b>	<b>766.7</b>	<b>1,000.6</b>	<b>983.8</b>
Bigeye Tuna	Troll	4.0	0.0	0.0	0.0	0.0
	Handline	0.1	12.3	5.7	33.7	13.7
	<b>TOTAL</b>	<b>4.1</b>	<b>12.3</b>	<b>5.7</b>	<b>33.7</b>	<b>13.7</b>
Albacore Tuna	Troll	5.8	0.0	0.0	0.0	0.0
	Handline	0.0	4.4	7.9	3.9	6.1
	<b>TOTAL</b>	<b>5.8</b>	<b>4.4</b>	<b>7.9</b>	<b>3.9</b>	<b>6.1</b>
Yellowfin Tuna	Troll	177.5	0.0	0.0	0.0	0.0
	Handline	64.7	219.2	283.7	300.2	227
	<b>TOTAL</b>	<b>242.2</b>	<b>219.2</b>	<b>283.7</b>	<b>300.2</b>	<b>227</b>
Skipjack Tuna	Troll	0.4	0.0	0.0	0.0	0.0
	Handline	0.0	6.4	9.7	10.5	12.4
	<b>TOTAL</b>	<b>0.4</b>	<b>6.4</b>	<b>9.7</b>	<b>10.5</b>	<b>12.4</b>
Swordfish	Troll	0.7	0.0	0.0	0.0	0
	Handline	0.0	5.0	8.9	8.9	10.7
	Harpoon	1.5	0.0	0.6	7.4	2.8
	<b>TOTAL</b>	<b>2.2</b>	<b>5.0</b>	<b>9.5</b>	<b>16.3</b>	<b>13.5</b>

**Table 4.3.2 Domestic Landings for the Commercial Handgear Fishery by Species and Region for 1998-2002 (mt ww) (NOAA Fisheries, 2003).**

Species	Region	1998	1999	2000	2001	2002
Bluefin Tuna	NW Atl	766.0	774.4	766.7	1,000.6	938.3
Bigeye Tuna	NW Atl	4.0	11.9	4.1	33.7	13.1
	GOM	0.1	0.2	0.1	0.5	0.6
	Caribbean	0.0	0.2	1.5	0.0	0.0
Albacore Tuna	NW Atl	5.8	0.6	2.9	1.7	3.4
	GOM	0.0	≤ .05	0.0	0.0	0.0
	Caribbean	0.0	3.8	5.0	2.2	2.7
Yellowfin Tuna	NW Atl	177.5	192.0	235.7	242.5	127.5
	GOM	60.8	12.7	28.6	43.4	92.3
	Caribbean	3.9	14.5	19.4	14.3	7.2
Skipjack Tuna	NW Atl	0.4	0.2	0.2	0.2	0.2
	GOM	0.0	0.4	0.7	0.0	0.0
	Caribbean	0.0	5.8	8.8	10.0	12.2
Swordfish	NW Atl	2.2	5.0	8.3	16.0	11.0
	GOM	0.0	≤ .05	1.2	0.3	2.5

**Table 4.3.3a Estimated total trips targeting large pelagic species from June 4 through November 4, 2001 (LPS telephone and dockside interviews).**

State/Area	Private Vessel Trips	Charter Trips	Total
VA	910	307	1,217
MD/DE and Cape May County, NJ	2,675	655	3,330
NJ (not including Cape May County)	3,040	660	3,700
NY	2,039	280	2,319
CT/RI	497	203	700
MA	3,641	567	4,208
NH/ME	1,944	133	2,077
<b>Total</b>	<b>14,746</b>	<b>2,805</b>	<b>17,551</b>

**Table 4.3.3b Estimated total trips targeting large pelagic species from June 2 through November 2, 2002 (LPS telephone and dockside interviews).**

State/Area	Private Vessel Trips	Charter Trips	Total
VA	6814.5	1498.8	8313.3
MD/DE	11331.1	4099.9	15431.0
NJ	10095.5	3046.0	13141.5
NY	6344.3	1779.5	8123.8
CT/RI	2894.0	903.0	3797.0
MA	14512.1	3432.8	17944.9
NH/ME*	2114.5	102.0	2216.5
Total	54106.0	14862.0	68968.0

\*NH/ME incomplete data, lacking 2002 dockside data.

#### 4.4 Fishery Data: RECREATIONAL HANDGEAR

**Table 4.4.1 Domestic Landings for the Atlantic Tunas, Swordfish and Billfish Recreational Rod and Reel Fishery: Calendar years 1997-2001 (mt ww)\* (NOAA Fisheries Large Pelagic Survey; SEFSC Recreational Billfish Survey). Recreational shark landings are provided in Tables 4.4.3 through 4.4.5.**

Species	Region	1997	1998	1999	2000	2001
Blue fin tuna**	NW Atlantic	299	184	99.9	49.5	249.3
	GOM	0	0	0.4	0.9	1.7
	<b>Total</b>	<b>299</b>	<b>184</b>	<b>100.3</b>	<b>50.4</b>	<b>251</b>
Bigeye tuna	NW Atlantic	333.5	228.0	316.1	34.4	366.2
	GOM	0	0	1.8	0	0
	<b>Total</b>	<b>333.5</b>	<b>228.0</b>	<b>317.9</b>	<b>34.4</b>	<b>366.2</b>
Albacore	NW Atlantic	269.5	601.1	90.1	250.75	122.3
	GOM	65.2	0	0	0	0
	<b>Total</b>	<b>334.7</b>	<b>601.1</b>	<b>90.1</b>	<b>250.75</b>	<b>122.3</b>
Yellowfin tuna	NW Atlantic	3,560.9	2,845.7	3,818.2	3,809.5	3690.5
	GOM	7.7	80.9	149.4	52.3	494.2
	<b>Total</b>	<b>3,569</b>	<b>2,927</b>	<b>3,967.6</b>	<b>3,861.8</b>	<b>4184.7</b>
Skipjack tuna	NW Atlantic	42.0	49.5	63.6	13.1	32.9
	GOM	21.7	37.0	34.8	16.7	16.1
	<b>Total</b>	<b>63.7</b>	<b>86.5</b>	<b>98.4</b>	<b>29.8</b>	<b>49.0</b>
Blue marlin***	NW Atlantic	25.0	34.1	24.8	13.8	9.0
	GOM	11.5	4.5	7.5	4.7	5.1
	Caribbean	8.6	10.6	4.6	5.7	2.3
	<b>Total</b>	<b>45.1</b>	<b>49.2</b>	<b>36.9</b>	<b>24.2</b>	<b>16.4</b>
White marlin ***	NW Atlantic	0.9	2.4	1.5	0.23	2.8
	GOM	0.9	0.2	0.1	0	0.3
	Caribbean	0.0	0.02	0	0	0
	<b>Total</b>	<b>1.8</b>	<b>2.6</b>	<b>1.6</b>	<b>0.23</b>	<b>3.1</b>
Sailfish***	NW Atlantic	0	0.1	0.07	1.75	61.2
	GOM	0.4	1.0	0.6	0.24	0.6
	Caribbean	0.2	0.05	0	0.06	0

Species	Region	1997	1998	1999	2000	2001
	<b>Total</b>	<b>0.6</b>	<b>1.5</b>	<b>0.67</b>	<b>2.05</b>	<b>61.8</b>
Swordfish	<b>Total</b>	<b>10.9</b>	<b>4.7</b>	<b>21.3</b>	<b>15.6</b>	<b>1.5</b>

\* Rod and reel catches and landings for Atlantic tunas represent estimates of landings and dead discards based on statistical surveys of the U.S. recreational harvesting sector.

\*\* Rod and reel catch estimates for bluefin tuna in the U.S. National Report to ICCAT include both recreational and commercial landings. Rod and reel catch of bluefin less than 73" curved fork length (CFL) are recreational, and rod and reel catch of bluefin 73 inches CFL or greater are commercial. Rod and reel catch of bluefin > 73" CFL also includes a few metric tons of "trophy" bluefin (recreational bluefin 73").

\*\*\* Blue marlin, white marlin, and sailfish landings are based on the U.S. National Report to ICCAT and consist primarily of reported tournament landings.



**Table 4.4.2 Observed Catch and Reported Releases of HMS in the Rod and Reel Fishery from Dockside Interviews. Source: Large Pelagics Survey\* (LPS) raw data (i.e., not expanded catch estimates).**

Species	Number of Fish Observed Kept							Number of Fish Reported Released Alive						
	1997	1998	1999	2000	2001	2002	2003	1997	1998	1999	2000	2001	2002	2003
White Marlin	7	11	6	2	5	8	12	203	465	156	59	118	215	160
Blue Marlin	3	3	3	0	1	0	4	30	27	28	17	14	30	39
Sailfish	0	1	0	6	0	0	0	2	2	3	0	2	6	6
Swordfish	5	1	3	14	1	5	9	6	5	1	5	10	6	21
Bluefin Tuna	1,153	653	396	317	909	1,203	943	1,174	1,105	327	244	237	447	237
Bigeye Tuna	26	17	27	16	9	32	21	6	9	0	0	8	1	3
Yellowfin Tuna	2,472	2,646	2,501	2,366	2,423	2,595	3,216	222	645	682	97	74	328	200
Skipjack Tuna	296	261	146	32	100	117	681	468	267	88	69	130	250	526
Albacore Tuna	146	558	133	513	302	534	546	43	92	52	17	52	95	31
Thresher Shark	7	7	3	2	5	20	24	2	2	2	1	0	5	8
Mako Shark (Shortfin)	74	78	49	49	27	72	141	94	92	49	114	65	120	208
Sandbar Shark	5	2	2	1	2	0	9	30	56	6	4	10	17	26
Dusky Shark	6	6	1	0	0	1	1	50	54	7	32	8	9	44
Longfin Mako	0	0	3	0	0	3	0	0	0	8	0	0	6	0
Porbeagle	0	1	0	0	0	1	0	5	6	0	0	0	14	1
Blacktip Shark	2	1	0	0	1	0	1	0	2	5	0	0	6	0
Tiger Shark	0	2	0	0	1	1	0	5	5	0	3	2	3	12
Blue Shark	27	26	11	12	2	36	65	1,897	780	572	374	141	505	2,018
Hammerhead Shark	2	1	1	1	2	0	0	4	4	5	0	1	6	38

Species	Number of Fish Observed Kept							Number of Fish Reported Released Alive						
	1997	1998	1999	2000	2001	2002	2003	1997	1998	1999	2000	2001	2002	2003
Atl. Sharpnose Shark	0	1	0	0	0	0	0	0	3	0	0	0	0	0
Sand Tiger Shark	0	0	0	10	0	2	0	2	10	13	0	0	44	11
White Shark	0	0	0	0	0	0	0	0	2	0	0	0	0	3
Uncl. Shark	0	1	0	0	1	0	1	0	0	2	2	2	4	10
Uncl. Tuna	0	1	0	0	0	3	1	0	1	0	0	0	0	0
Wahoo	10	71	45	41	34	49	68	1	2	0	0	13	6	3
Dolphinfish (Mahi mahi)	1,022	7,263	2,139	955	1,294	2,509	4,209	61	194	73	48	108	111	677
King Mackerel	171	198	141	289	19	36	66	1	10	8	24	10	5	5
Atlantic Bonito	384	328	254	194	77	704	315	203	300	166	27	49	176	282
Little Tunny	428	1,231	97	139	48	240	121	1,015	1,507	133	118	118	585	443
Amberjack	2	6	9	6	19	7	44	18	40	24	20	14	57	111
Spanish Mackerel	0	2	1	13	3	5	35	1	1	0	0	0	0	1

\* Preliminary LPS data as of November 19, 2003; Virginia to Maine (1997-2002); Virginia to New Hampshire (2003).

## *Shark Recreational Fishery*

Recreational shark fishing with rod and reel is a popular sport at all social and economic levels, largely because the resource is accessible. Below are updates to the information presented in the 2003 SAFE report and Amendment 1 to the HMS FMP regarding recreational harvest of Atlantic sharks. In addition to the tables below, landings of unidentified sharks during the last three years (by number) include 10,984 sharks in 2000; 22,187 sharks in 2001; and 2,395 sharks in 2002 (Cortés, 2003). More information regarding shark landings can be found in Amendment 1 to the HMS FMP.

**Table 4.4.3      Recreational Harvest of Atlantic LCS by Species, in number of fish: 2000-2002 (2002 data are incomplete; Cortés, 2003).**

LCS Species	2000	2001	2002
Basking**	0	0	0
Bignose*	0	0	0
Bigeye sand tiger**	0	0	0
Blacktip	67,600	48,841	35,620
Bull	6,057	4,268	1,653
Caribbean Reef*	122	0	0
Dusky*	2,285	5,575	962
Galapagos*	0	0	0
Hammerhead, Great	921	3,378	0
Hammerhead, Scalloped	3,403	1,128	998
Hammerhead, Smooth	1,274	703	0
Hammerhead, Unclassified	3,668	0	5,293
Lemon	2,782	5,480	1,680
Night*	0	0	0
Nurse	2,233	3,672	2,150
Sandbar	10,867	36,059	8,162
Sand tiger**	0	0	0
Silky	5,168	3,809	1,685
Spinner	4,474	3,605	2,677
Tiger	1,480	757	170
Whale**	0	0	0

LCS Species	2000	2001	2002
White**	0	0	0
Large Coastal Unclassified	17,096	16,210	8,996
Total:	129,430	134,089	70,046

\*indicates species that were prohibited in the recreational fishery as of July 1, 1999.

\*\* indicates species that were prohibited as of April 1997.

**Table 4.4.4 Recreational Harvest of Atlantic Pelagic sharks by Species, in number of fish: 2000-2002 (2002 data are incomplete; Cortés, 2003).**

Pelagic Shark Species	2000	2001	2002
Bigeye thresher*	0	0	65
Bigeye sixgill*	0	0	0
Blue	7,010	950	0
Mako, Longfin*	0	0	0
Mako, Shortfin	5,808	2,870	3,199
Mako, Unclassified	0	0	0
Oceanic whitetip	0	0	0
Porbeagle	0	0	0
Sevengill*	0	0	0
Sixgill*	0	0	0
Thresher	528	0	1,468
Total:	13,346	3,820	4,732

\* indicates species that were prohibited in the recreational fishery as of July 1, 1999.

**Table 4.4.5 Recreational Harvest of Atlantic SCS by Species, in number of fish: 2000-2002. (2002 data are incomplete, Cortés, 2003).**

SCS Species	2000	2001	2002
Atlantic Angel*	0	0	0
Blacknose	9,773	15,254	11,346
Bonnethead	56,554	58,496	50,631
Finetooth	1,487	6,700	2,834
Sharpnose, Atlantic	118,888	125,743	64,488
Sharpnose, Caribbean*	0	0	0
Smalltail*	13	0	0

SCS Species	2000	2001	2002
Total:	186,715	206,193	129,299

\* indicates species that were prohibited in the recreational fishery as of July 1, 1999.

#### 4.5 Fishery Data: ATLANTIC SHARKS

In 2003, NOAA Fisheries finalized Amendment 1 to the HMS FMP. This amendment makes a number of changes to shark management including changing the LCS and SCS quotas, eliminating the commercial LCS minimum size, modifying the recreational bag and size limits, authorizing certain gears for recreational fishing, requiring several bycatch reduction measures including a time/area closure off of North Carolina, and establishing criteria for adding or removing species to or from the prohibited species list. For more information, please see Amendment 1 to the HMS FMP.

On October 29, 2003, NOAA Fisheries released a biological opinion (BiOp) pursuant to the Endangered Species Act (ESA) regarding Atlantic shark fisheries. This BiOp concluded that the level of anticipated take in the Atlantic shark fishery is not likely to jeopardize the continued existence of endangered green, leatherback, and Kemp's ridley sea turtles, the endangered smalltooth sawfish, or the threatened loggerhead sea turtle. Furthermore, it concluded that the actions in the rule are not likely to adversely affect marine mammals. As a result of this conclusion, the BiOp issued a 5-year total incidental take statement for the fishery by gear type. If the actual calculated incidental captures or mortalities exceed the incidental take statement, a formal consultation for that gear type must be re-initiated immediately. More information is available in Amendment 1 to the HMS FMP and the October 2003 BiOp and is not repeated here.

NOAA Fisheries continues to conduct an observer program in the shark bottom longline fishery and the shark gillnet fishery. Both of these programs are mandatory for selected vessels. More information regarding the observer programs and their levels of take can be found in Amendment 1 to the HMS FMP, the October 2003 BiOp, and the latest observer reports.

The following tables update shark landings included in Amendment 1 to the HMS FMP.

**Table 4.5.1 Commercial landings of Large Coastal Sharks in lb dw: 2000-2002 (Cortés and Neer, 2002; Cortés, 2003).**

Large Coastal Sharks	2000	2001	2002
Basking**	0	0	0
Bignose*	672	1,442	0
Bigeye sand tiger**	0	0	0
Blacktip	1,633,919	1,135,199	1,096,455
Bull	24,980	27,037	40,463
Caribbean Reef*	0	1	34
Dusky*	205,746	1,884	16,367

Large Coastal Sharks	2000	2001	2002
Dusky, fins*	0	89	0
Galapagos*	0	0	0
Hammerhead, Great	0	0	0
Hammerhead, Scalloped	0	0	0
Hammerhead, Smooth	0	0	0
Hammerhead, Unclassified	35,060	69,356	107,905
Large Coastal		172,494	147,431
Lemon	45,269	24,453	56,945
Narrowtooth*	0	0	0
Night*	0	0	0
Nurse	429	387	69
Sandbar	1,491,908	1,404,186	1,851,447
Sandbar, fins	996	2,364	24,289
Sand tiger**	6,554	1,248	415
Silky	31,959	14,197	30,731
Spinner	14,473	6,970	8,447
Tiger	24,443	26,973	16,115
Whale**	0	0	0
White**	1,201	26	0
Large Coastal Unclassified	108,692	525,661	708,049
Unclassified fins	86,824	23,988	9,017
Total	3,713,125 (1,684 mt dw)	3,437,955 ( 1,559 mt dw)	4,114,179 (1,866 mt dw)

\* indicates species that were prohibited in the commercial fishery as of June 21, 2000.

\*\* indicates species that were prohibited as of April 1997.

**Table 4.5.2 Commercial landings of Pelagic Sharks in lb dw: 2000-2002 (Cortés and Neer, 2002; Cortés, 2003).**

Pelagic Sharks	2000	2001	2002
Bigeye thresher*	4,376	330	0
Bigeye sixgill*	0	0	0
Blue	3,508	65	8
Mako, Longfin*	6,560	9,453	1,971

<b>Pelagic Sharks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Mako, Shortfin	129,088	171,888	156,540
Mako, Unclassified	74,690	73,556	58,545
Oceanic whitetip	657	922	1,590
Porbeagle	5,272	1,152	2,659
Porbeagle, fins	0	12	7
Sevengill*	0	0	0
Sixgill*	0	0	0
Thresher	81,624	56,893	53,260
Thresher, fins	0	201	340
Unclassified pelagic	41,184	31,639	18,392
Unclassified pelagic, fins	3,746	12,026	12,325
Total:	350,705 (159 mt dw)	358,137 (162 mt dw)	305,637 (139 mt dw)

\* indicates species that were prohibited in the commercial fishery as of June 21, 2000.

**Table 4.5.3 Commercial Landings of Small Coastal Sharks in lb dw: 2000-2002 (Cortés and Neer, 2002; Cortés, 2003).**

<b>Small coastal sharks</b>	<b>2000</b>	<b>2001</b>	<b>2002</b>
Atlantic Angel*	86	0	439
Blacknose	178,083	160,990	144,616
Bonnethead	69,411	63,461	36,553
Finetooth	202,572	303,184	185,120
Sharpnose, Atlantic	142,511	196,441	213,140
Sharpnose, Atlantic, fins	0	209	10
Sharpnose, Caribbean*	353	205	0
Unclassified Small Coastal	11	51	2
Total:	593,027 (269 mt dw)	724,541 (329 mt dw)	579,880 (263 mt dw)

\* indicates species that were prohibited in the commercial fishery as of June 21, 2000.

#### **References for Section 4:**

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